



## Science Toolkit: Grade 5 Objective 2.A.2.c

Student Handout: Science: Grade 5 Objective 2.A.2.c

Standard 2.0 Earth/Space Science

Topic A. Materials and Processes That Shape A Planet

Indicator 2. Cite and describe the processes that cause rapid or slow changes in Earth's surface.

Objective c. Cite examples that demonstrate how the natural agents of wind, water, and ice produce slow changes on the Earth's surface such as carving out deep canyons and building up sand dunes.

Selected Response (SR) Item

Question

A large rock breaks into small pieces within 10 years.

Which process is most likely responsible for breaking the large rock into small pieces within 10 years?

- A. steady winds blowing throughout the years
- B. gentle rain falling during each spring and fall
- C. lack of rain falling during a four-year drought
- D. water repeatedly freezing and thawing in a crack

Correct Answer

D. water repeatedly freezing and thawing in a crack

Question

A large rock breaks into small pieces within 10 years.

Which process is most likely responsible for breaking the large rock into small pieces within 10 years?

- A. steady winds blowing throughout the years
- B. gentle rain falling during each spring and fall
- C. lack of rain falling during a four-year drought
- D. water repeatedly freezing and thawing in a crack